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PTO 2008 - 0502

Chinese Patent Publication No. 1340508A, published March 20, 2002

Application No. 00125934.2, filed March 31, 2000; Inventors: HU, Yue-hua, LI Xianwen, QIAN, Wen-fei, YE, Shi-sheng, ZHOU, Shu-guang, BAO Min, CEN, Zhi-ming, GUAN Zhi-gang. Assignee: Zhejiang Xin'an Chemical Engineering Stockholding Group, Ltd.

## AMMONIUM GLYPHOSATE SYNTHESIS PROCESS

[54] [Name of Invention] Ammonium Glyphosate Synthesis Process

[57] Abstract

A process for synthesizing ammonium glyphosate includes adding solvent alcohol, ether, aromatic hydrocarbon and alkane or organic solvent-water mixture containing less than 25% water (W/W) to reactor, then adding glyphosate and ammonia gas, and running a reaction at 10-50 °C for 2-8 hr, then cooling to 15-20 °C, and removing the precipitated crystals; drying the crystals yields the product ammonium glyphosate; the crystals' mother liquid is then recycled for use as solvent in the next reaction batch, and this recycling set constitutes 6-15 times, then ultimately the batch of mother liquid is distilled to remove ammonium glyphosate from it. This invention is used to produce a water-soluble ammonium herbicide. Its advantages include simple process, high product quality, and high yield.